



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,783	02/05/2004	Hai Qu	030504	7908
23696 7590 12/14/2007 QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CA 92121			EXAMINER PEACHES, RANDY	
			ART UNIT 2617	PAPER NUMBER
			NOTIFICATION DATE 12/14/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com  
kscanla@qualcomm.com  
nanm@qualcomm.com

**Office Action Summary**

Application No.

10/773,783

Applicant(s)

QU ET AL.

Examiner

Randy Peaches

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 November 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-8, 10, 11, 18 and 25 is/are allowed.
- 6) ☒ Claim(s) 1-4, 9, 12-17, 19-24 and 26-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11-13-2007 has been entered.

### ***Response to Arguments***

Applicant's arguments filed 11/13/2007 have been fully considered but they are not persuasive.

Regarding claims 1, 14, 19 and 22, the Applicant argues that the cited prior art of reference fails to clearly disclose the limitation wherein, ***“a third module operable to receive and map the parameters of the first and second broadcast messages to corresponding parameters in a set of parameters defined for broadcast services.”***

The Examiner respectfully disagrees. According to Babbar, the first (212) and second (218) signals ***received*** by the MCM (222) are physically and logically transformed in order to be read by the said MCM (222). After such, the said MCM request configuration information and further routes (or maps) the messages directly to the connected host that is identified by the unique configuration in the message (see the

end of paragraph [0079]). Therefore, the Examiner maintains that the cited prior teach of the premise wherein the parameters are received and mapped accordingly.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. ***Claims 1-4, 9, 12-14, 16-17, and 19-22*** are rejected under 35 U.S.C. 102(e) as being anticipated by Babbar et al. (U.S. Patent Publication Number 2004/0116140 A1).

The applied reference has a common Assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding ***claims 1, 14, 19 and 22***, Babbar et al. disclose a multimode mobile station comprising:

Art Unit: 2617

- a device related interface module #1 (DRIF, 214), which reads on claimed "first module," which interfaces with a managed device (210), operable to process a first broadcast message for a first communication network type in accordance with parameters of the first broadcast message. See paragraph [0074];
- a device related interface module #2 (DRIF, 220), which reads on claimed "second module," which interfaces with a managed device (216), operable to process a second broadcast message for a second communication network type in accordance with parameters of the second broadcast message, wherein the first and second broadcast message having different formats(paragraph 0050). See paragraphs [0074-0075 and 0078-0079]; See paragraphs [0080 and 0082];
- a Mobile Configuration Manager (MCM, 222), which reads on claimed "third module," operable to receive and map the parameters of the said first and second broadcast message to corresponding parameters in a set of parameters defined for broadcast services, wherein the said MCM receives unique configurations from the server (230). See FIGURE 2, paragraphs [0075 and 0078-0079].

Regarding **claims 2 and 15**, according to **claims 1 and 14**, Babbar et al. continues to disclose wherein the said multimode mobile station processes a first broadcast message as a Cell Broadcast Service (CBS) message for Global System for Mobile Communications (GSM) and Universal Mobile Telecommunications System (UMTS) systems, and wherein the second broadcast message is a broadcast Short Message

Art Unit: 2617

Service (SMS) message used for a Code Division Multiple Access (CDMA) system. Babbar et al. inherently discloses that the said broadcast messages are capable of being communicated using multiple carrier access methods such as IMTS, SDR, CDMA, UMTS, GSM, 802.11, etc. See paragraphs [0080 and 0082]. Therefore the Examiner has interpreted the cited prior art as being capable of "any type" of message regardless of whether it's a first broadcast message or second broadcast message.

Regarding **claim 3**, according to **claim 1**, Babbar et al. continues to disclose wherein a network protocol interface module (328,330,332) , which reads on claimed "fourth module," is operable to process a third broadcast message fro a third wireless communication system in accordance with the parameters of the third broadcast message (see paragraph [0076]), and wherein the said MCM (326) module is further operable to map the parameters of the third broadcast message, being received from a DRIF #N (324) module (see FIGURE 3), to the parameters in the set of parameters defined for broadcast services.

Regarding **claims 4, 16 and 20**, according to **claims 1, 14 and 19**, Babbar et al. continues to disclose wherein said network protocol interface module (328,330,332) operable to display the said first and second broadcast messages based on the parameters of the set. See paragraph [0097].

Regarding **claim 9**, according to **claim 1**, Babbar et al. continues to disclose wherein the set includes a unique IP address , which reads on claimed "service identifier," parameter indicative of the broadcast services provided by the first and second broadcast systems.

Regarding **claims 12, 17 and 21**, according to **claims 1, 14 and 19**, Babbar et al. continues to disclose wherein the said DRIF #1 (214) module is further operable to filter broadcast messages for the first system based on first filtering configuration, and wherein the said DRIF #2 (220) is further operable to filter broadcast messages for the second system based on second filtering configuration. See paragraph [0074]. The said DRIF modules are capable of adopting filtering to ensure compatible formats from the said managed devices (210, 216).

Regarding **claim 13**, according to **claim 12**, Babbar et al. continues to disclose wherein the said MCM module (222), is operable to maintain the first and second filtering configurations for the first and second systems and to provide the first filtering configurations to the said DRIF #1 (214) and the said DRIF #2 (220) filtering configurations to the second module.

2. **Claims 23-24 and 26-28** are rejected under 35 U.S.C. 102(b) as being anticipated by Burgan et al. (U.S. Patent Number 6,675,022 B2).

Art Unit: 2617

Regarding **claim 23**, Burgan et al. discloses method of receiving localized information (410) , which reads on claimed "broadcast services," (see column 18 lines 56-63) in a wireless communication system, comprising:

- defining a group of broadcast addresses of at least one said localized information (410), which reads on claimed "first set of at least one broadcast service", supported by the system. See column 17 lines 40-47 and column 18 lines 56-63;
- associating the said group of broadcast addresses with a first time interval (column 17 lines 49-56), which reads on claimed "active time period," indicative of when broadcast messages for the at least one of the said localized information (410) in the first set are to be received. See column 17 lines 40-59;
- receiving said broadcast addresses for the at least one said localized information (410) in the first set during the said time interval. See column 17 lines 40-67.

Regarding **claim 24**, according to **claim 23**, Burgan et al. continues to disclose wherein each of the at least one of said localized information (410) in the first set corresponds to a different service category, wherein the service categories are interpreted to be different type of information the broadcast sites (300) for said localized information (410). See column 18 lines 56-63.

Regarding **claim 26**, according to **claim 23**, Burgan et al. continues to disclose defining:

Art Unit: 2617

- a individualized addresses (414), which reads on claimed "second set," of at least on individualized information (418) supported by the system. See column 18 lines 9-25;
- associating the said individualized addresses (414) with a second time interval, which reads on claimed "second active time," indicative of when the individualized address (414) for the at least one of the individualized information in the second set are to be received. See column 19 lines 47-63; and
- receiving said individualized addresses (414) for the at least one individualized information (418) in the during the said second interval. See column 18 lines 9-25.

Regarding **claim 27**, Burgan et al. discloses a broadcast transmission site (300), which reads on claimed "wireless device," in a wireless communication system, comprising:

- a controller (306) operative to store a set of at least one of localized or individualized information (410,418) , which reads on claimed "broadcast service," supported by the system and an time interval indicative of when said localized or individualized information (410,418) for the at least one broadcast service in the set are to be received. See FIGURE 3 and column 6 lines 30-60; and
- a processing unit (306) operative to process said localized or individualized information (410,418) for the at least one broadcast service in the set during the said time interval. See FIGURE 3 and column 6 lines 44-60.

Regarding **claim 28**, according to **claim 27**, Burgan et al. continues to disclose a time base (312), which reads on claimed "timer," operative to provide indications of start and end of the said intervals. See column 7 lines 21-59

***Allowable Subject Matter***

***Claims 5-8, 10-11, 18, and 25*** are allowed.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Randy Peaches whose telephone number is (571) 272-7914. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Randy Peaches  
RP

  
JOSEPH FEILD  
SUPERVISOR/IN LIT EXAMINER